

ABSTRACT OF THE DISCLOSURE

In a roller enveloping a base body for winding up a material web, particularly a paper web, the circumferential surface contacted by the winding material is more radially resilient near the two roller ends than in the mid-roller area, compensating, at least partially, for a deflection of the base body at the maximum winding diameter. This increased radial resilience near the two roller ends is due to an appropriate resilient layer applied on at least sections of the base body and/or at least one appropriate resilient element placed on the base body.